Performance Data Sheet

AWA2450ZXD

General Information

Model	AWA2450ZXD	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	2790	2170	1590	1070	632	313	140
	Watts	836	771	702	634	572	520	484
	Amps	3.77	3.50	3.19	2.87	2.57	2.31	2.12
	Lb/h	45.3	38.7	31.2	23.5	16.0	9.09	3.40
-35	Btu/h	3580	2870	2170	1530	970	521	212
	Watts	929	870	804	735	668	607	557
	Amps	4.19	3.95	3.65	3.33	3.02	2.73	2.49
	Lb/h	59.8	51.6	42.5	33.0	23.5	14.5	6.57
-30	Btu/h	4530	3710	2900	2130	1450	866	418
	Watts	1020	975	915	848	779	712	652
	Amps	4.61	4.41	4.15	3.84	3.52	3.21	2.94
	Lb/h	76.7	67.3	56.8	45.7	34.5	23.7	13.7
-25	Btu/h	5620	4690	3760	2870	2060	1340	749
	Watts	1120	1080	1030	971	902	832	764
	Amps	5.03	4.89	4.66	4.38	4.07	3.75	3.45
	Lb/h	95.9	85.5	73.9	61.5	48.9	36.5	24.8
-20	Btu/h	6850	5800	4750	3740	2790	1940	1200
	Watts	1210	1190	1150	1100	1040	965	893
	Amps	5.43	5.36	5.19	4.94	4.65	4.34	4.03
	Lb/h	117	106	93.7	80.3	66.5	52.7	39.5
-15	Btu/h	8200	7040	5870	4730	3640	2640	1760
	Watts	1300	1300	1280	1230	1180	1110	1030
	Amps	5.82	5.83	5.72	5.53	5.27	4.97	4.66
	Lb/h	141	129	116	102	87.1	72.3	57.9
-10	Btu/h	9680	8390	7090	5820	4600	3460	2420
	Watts	1380	1400	1400	1370	1320	1260	1190
	Amps	6.18	6.28	6.25	6.12	5.90	5.63	5.34
	Lb/h	166	154	141	126	111	95.1	79.7
-5	Btu/h	11300	9850	8430	7020	5660	4370	3180
	Watts	1450	1500	1510	1500	1470	1410	1350
	Amps	6.50	6.71	6.77	6.70	6.55	6.32	6.05
	Lb/h	193	182	168	153	137	121	105

0	Btu/h	12900	11400	9860	8310	6810	5370	4020
	Watts	1510	1580	1620	1630	1610	1570	1510
	Amps	6.77	7.10	7.26	7.28	7.19	7.02	6.79
	Lb/h	222	211	197	182	166	150	133
5	Btu/h	14700	13100	11400	9700	8040	6450	4950
	Watts	1550	1660	1730	1760	1760	1730	1680
	Amps	6.99	7.45	7.72	7.84	7.84	7.73	7.55
	Lb/h	253	242	229	214	198	181	165
10	Btu/h	16600	14800	13000	11200	9350	7610	5940
	Watts	1580	1720	1820	1870	1890	1890	1850
	Amps	7.14	7.74	8.14	8.38	8.47	8.44	8.32
	Lb/h	284	274	262	248	232	216	199

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.111049E+04	-9.610789E+02	-4.949166E+00	1.826794E+02
C2	5.045993E+02	-6.679698E+01	-2.646509E-01	4.160297E+00
C3	-2.187899E+01	5.720703E+01	2.796536E-01	2.544195E+00
C4	2.357439E+00	-7.843319E-01	-3.076091E-03	-1.067117E-02
C5	-1.466215E+00	1.289509E+00	5.208327E-03	3.411548E-02
C6	-1.383451E+00	-3.914052E-01	-2.018772E-03	-3.220018E-02
C7	-1.057669E-02	-3.385478E-03	-1.157823E-05	-1.791981E-04
C8	-5.606907E-03	6.040508E-03	2.464637E-05	5.128664E-04
C9	-6.245396E-03	-4.087817E-03	-1.603727E-05	-1.510125E-04
C10	4.771322E-03	7.788353E-04	4.430236E-06	8.215804E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature